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Livy and Zack are writing arithmetic sequences. The first three terms of Livy's sequence are shown below.

4, 7, 10, . . .

- What is the common difference for Livy's sequence? Show or explain how you got your answer.
- Write an expression that can be used to find the n th term of Livy's sequence.

The n th term of Zack's sequence is three times the n th term of Livy's sequence.

- What is the 5th term of Zack's sequence? Show or explain how you got your answer.
- Write an expression that represents the difference of the n th term of Zack's sequence and the n th term of Livy's sequence.